

# STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

Colleen Cripps, Ph.D., Administrator

August 20, 2011

Mr. Jerry Engel  
Maryland Square Shopping Center, LLC  
700 Pont Chartrain Drive  
Las Vegas, Nevada 89145

**RE: Short-Term UIC General Permit GU07RS-52016**  
**Maryland Square PCE site**

Dear Mr. Engel:

The Nevada Division of Environmental Protection (NDEP) has reviewed your Notice of Intent for inclusion under the short-term remediation underground injection control (UIC) General Permit GU07RS. Authorization for inclusion under the permit is granted. Inclusion under this permit is issued **only once per site for six months or less**. If you need to continue remediation beyond six months, you must apply for the UIC General Permit for Long-term Remediation GU07RL or an individual UIC permit. Please submit necessary forms to allow sufficient process time for one of these permits if necessary.

I have enclosed a signed copy of the general permit authorizing the activities as identified in the approved workplan. The responsible party must meet all conditions of this permit.

Please note the following Sections of the permit:

1. The issue date of permit is August 22, 2011, and **expires February 22, 2012**;
2. I.A.1 Authorized injectate is identified on the cover of the permit;
3. I.A.3 Reporting – monitoring reports are not required for the UIC general permit for short-term remediation. All requirements in this permit will be summarized and reported in the Corrective Action Workplan reports to Bureau of Corrective Actions.

If you have any questions or comments, please contact me at (775) 687-9428 or rland@ndep.nv.gov.

Sincerely,

Russ Land  
Underground Injection Control Program  
Bureau of Water Pollution Control

Enclosure: UIC GP GU07RS-52016

cc: Paul Roberts, Maryland Square LLC, The Interface Group, 300 First Ave, Needham, MA 02494-2736 (with enclosure)  
Reader File  
File GU07RS-52016  
ecc: Tamara Pelham, Tetra Tech  
Mary Sider, NDEP Bureau of Corrective Actions Carson City



# NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

## UIC GENERAL PERMIT: GU07RS ID#: 52016 SHORT-TERM REMEDIATION – Six months or less

### AUTHORIZATION TO INJECT

In compliance with the provisions of the Nevada Revised Statutes (NRS) and the Nevada Underground Injection Control (UIC) Regulations, Nevada Administrative Code (NAC) 445A.810 through 445A.925, eligible applicants are authorized to inject the following compounds into Class V injection wells in accordance with limitations, requirements and other conditions set forth in Parts I and II hereof.

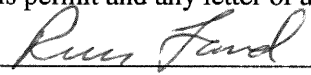
This General Permit is for remediation projects lasting **six months or less** and allows injection of:

- ☐ Low-percentage solution of hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>). Injection shall not exceed 350 gallons/well/month (applies only to vertical wells);
- ☒ Potassium and sodium permanganate;
- ☐ Ozone;
- ☐ Polysulfide;
- ☐ Nutrients: nitrate, ammonia, phosphate, vitamins;
- ☐ Carbon sources/electron donors: acetate, lactate, glucose, complex sugars
- ☐ Oxygen infusers;
- ☐ Chemical oxidation compounds;
- ☐ Hydrogen releasing compound

Facility/Site Name:	Maryland Square PCE site		
Address:	3661 South Maryland Parkway, Las Vegas, Nevada 89169		
Well Owner Name:	Maryland Square LLC		
Address:	The Interface Group 300 First Avenue, Needham, MA 02494		
Legal Description:	T. 21S, R. 61E, Sec. 15 S ½ NE ¼	Facility CA ID:	H-000086
Operator Name & Address:	Maryland Square Shopping Center, LLC 700 Pont Chartrain Drive, Las Vegas, Nevada 89145		
Required for sampling:	<input checked="" type="checkbox"/> Per approved Corrective Action Workplan <input type="checkbox"/> See UIC permit issuance cover letter <input type="checkbox"/> Additional UIC sampling required:		
Other info:			
Authorized injection wells: 1 open excavation to approximately 20 feet below grd surface			
Authorized rates/volumes: ~ 1000 gallons soln - <250 lbs chemical		Workplan Date: February 2011	

Modifications to the above requirements must be pre-approved by the UIC Program pursuant to Part I.A.5. The Permittee shall comply with all provisions of this permit and any letter of authorization issued pursuant to it.

This permit was issued on **June 1, 2007**. The effective date for the project above is: **August 22, 2011**  
This permit and any letter of authorization issued under it shall expire at midnight 180 days from effective date.

  
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Russ Land  
Bureau of Water Pollution Control

Signed this 20th day of August 2011

## **PART I**

The UIC General Permit for Short-Term Remediation is **issued only once per site for six months or less**. If a Permittee is required to continue remediation longer than six months, the Permittee shall apply for the UIC General Permit for Long-Term Remediation.

Applicants injecting other chemicals are required to obtain an UIC UNEV Permit and may not apply for this UIC General Permit. Subject to NAC 445A.894, the director may require any person authorized to inject by a general permit to apply for and obtain an individual permit. If an individual permit is issued to a person holding a general permit for the same activity and discharge points, the general permit is automatically terminated on the effective date of the individual permit.

Injection practices shall not cause injectate and/or groundwater to surface at or near the injection points, nor cause any physical, biological, or chemical degradation of groundwater pursuant to the UIC regulations. **If, during operation of this facility, the Permittee or their representatives become aware of any condition, which degrades the quality of the aquifer (outside of the treatment zone for injection) or causes injectate and/or ground water to surface, injection shall cease immediately and the UIC Program shall be notified pursuant to Part II.B.2.**

### **A. EFFLUENT LIMITATIONS, MONITORING AND OTHER REQUIREMENTS**

1. During the period beginning on the effective date of this permit and lasting through the expiration date, the Permittee is authorized to inject the compounds specified on page 1 into the authorized injection wells identified on page 1.
2. **Injection shall not occur in a well that has had free product (LNAPL and/or DNAPL) during the previous 3 months.** Injection of the compounds must prevent introduction of any foreign materials or unapproved additives to the zone for injection. The use of any other additive(s) requires written authorization from the Nevada Division of Environmental Protection (the Division) prior to injection. Sodium thiosulfate to dechlorinate potable water may be used for injection under this general permit.
3. The injectate shall be limited and groundwater monitored by the Permittee pursuant to this permit and the Corrective Action Workplan. Monitoring reports will not be required for the UIC General Permit for Short-Term Remediation. All requirements in this permit will be summarized and reported in the Corrective Action Workplan reports.
  - a. Only the compounds approved on page 1 shall be injected, and only in the volumes and injection rates authorized. All facilities encompassed by this permit shall conform to the plans and specifications filed with the Division and shall be maintained in good working order at all times.
  - b. The Division may require monitoring of any parameter for good cause.
4. Discharges to the surface are not allowed under this permit.
5. The Permittee shall operate and maintain the injection per established procedures and as approved by the Division. Any modification to the injection practices which is not approved on page 1 of this permit requires submission of changes and re-issuance of this permit by UIC Program prior to implementation.
6. Nothing in this authorization shall be construed to eliminate the responsibility for remediation of this area. Remediation shall be accomplished in accordance with plans approved by the Bureau of Corrective Actions.

7. All facilities encompassed by this permit shall conform to the plans and specifications filed with the Division and the UIC Program and shall be maintained in good working order at all times.
8. The UIC General Permit for Short-Term Remediation does not require an annual review and services fee.
9. The Permittee shall comply with all provisions of the UIC regulations, NAC 445A.810 through 445A.925, and all pertinent laws and regulations. Nothing in this permit relieves the Permittee from responsibilities, liabilities or penalties established by any other state, federal or local jurisdiction.
10. Upon completion of the remediation project, all wells shall be abandoned pursuant to current Division of Water Resources (DWR) regulations (NAC 534) and by UIC regulations by filling them with cement grout from total depth to land surface. A driller licensed in the State of Nevada will perform all abandonment work.

**B. SCHEDULE OF COMPLIANCE**

1. Any items listed in the UIC General Permit issuance letter as required.
2. The Permittee shall achieve compliance with the conditions, limitations and requirements of the permit at the commencement of relevant activity.
3. The Administrator may, upon the request of the Permittee, and after public notice, revise or modify a schedule of compliance in an issued permit if he determines good and valid cause (such as a strike, materials shortage or other event over which the Permittee has little or no control) exists for such revision.

**PART II**

**A. RECORDKEEPING AND OTHER MONITORING REQUIREMENTS**

**1. Sampling and Test Procedures**

Samples and measurements taken as required herein shall be representative of the volume and/or nature of the subject of interest. Test Procedures for the analyses of required constituents shall comply with NDEP requirements or applicable analytical methods cited and described in Tables IA - IE of 40 CFR part 136 or in Appendix III of 40 CFR part 261 unless the Administrator approves other procedures. A laboratory certified by the State of Nevada must perform all analyses conducted pursuant to permit requirements.

**2. Recording of Results**

For each measurement or sample taken pursuant to the requirements of this permit, the Permittee shall record the following information:

- a. chain-of-custody sheets with the exact place, date, and time of sampling;
- b. the dates the analyses were performed;
- c. the person(s) who performed the analyses;
- d. the analytical techniques or methods used;
- e. the results of all required analyses;
- f. the precision and accuracy of the analytical data; and
- g. raw laboratory data result sheets.

**3. Additional Monitoring by Permittee**

If the Permittee monitors any constituent at the location(s) designated herein more frequently than required by this permit, or monitors additional constituents other than those required by this permit, using approved analytical methods

as specified above, the results of such monitoring shall be made available to the Division.

4. Records Retention

All records and information resulting from the monitoring activities required by this permit and the Corrective Action Workplan, including all records and analyses performed, calibration and maintenance of instrumentation, and recordings from continuous monitoring instrumentation, shall be retained for a **minimum of three (3) years**, or longer if required by the Administrator.

5. Modification of Monitoring Frequency, Location and Sample Type

After considering monitoring data, discharge flow or receiving water conditions, the Division may, for just cause, modify the monitoring frequency, location and/or sample type by issuing a Notice or an Administrative Order to the Permittee.

**B. MANAGEMENT REQUIREMENTS**

1. Change in Effluents or Discharge

All effluents or discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any constituent identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, or treatment modifications which will result in new, different, or increased effluents or discharges must be reported by submission of a new application or, if such changes will not violate the limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any constituents not previously limited.

2. Noncompliance Notification

If, for any reason, the Permittee does not comply with or will be unable to comply with the conditions, requirements and limitations specified in this permit, the Permittee shall provide the Administrator with the following information, in writing, within five (5) days of becoming aware of such conditions:

- a. A description of the noncompliance or violation.
- b. The period of noncompliance, including exact dates and times, or if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncompliance.
- c. Notification shall be provided verbally as soon as possible but not later than the end of the first working day after learning of the violation, and in writing within five days of becoming aware of such conditions.

3. Facilities Operation

The Permittee shall at all times maintain in good working order and operate as efficiently as possible, all treatment or control facilities, devices or systems installed or used by the Permittee to achieve compliance with the terms and conditions of this permit.

4. Adverse Impact

The Permittee shall take all reasonable steps, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying effluent or discharge, to minimize any adverse impact to waters of the State resulting from noncompliance with any limitations specified in this permit.

5. Bypassing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited except where unavoidable to prevent loss of life or severe property damage. The Division will have the final authority in the determination of whether a discharge is deemed unavoidable. The Permittee shall promptly notify the Administrator in writing, of each such diversion or bypass, in accordance with the procedure specified in Part II.A.2 above.

## C. RESPONSIBILITIES

### 1. Right of Entry

Pursuant to NRS 445A.655, the Permittee shall allow the Administrator and/or his authorized representatives, upon the presentation of credentials:

- a. To enter upon the Permittee's premises where a source is located or in which any records are required to be kept under the terms and conditions of this permit;
- b. To have access to, and to copy any records required to be kept under the terms and conditions of this permit;
- c. To inspect any monitoring equipment or monitoring method required in this permit; and
- d. To perform any necessary sampling to determine compliance with this permit or to sample any effluent or discharge.

### 2. Transfer of Ownership or Control

This permit is non-transferable. If a new owner/operator seeks to continue remediation activities, the new owner/operator will be required to get a new permit.

### 3. Availability of Reports

Except for data determined to be confidential under NRS 445A.665, all reports prepared in accordance with the terms of this permit shall be available for public inspection. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in NRS 445A.710.

### 4. Permit Modification, Suspension or Revocation

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the effluent or discharge.

### 5. Civil and Criminal Liability

- a. Nothing in this permit shall be construed to relieve the Permittee from civil or criminal penalties for noncompliance.
- b. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation.
- c. The issuance of this permit does not convey any property rights, in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, State or local laws or regulations.